URS

September 16, 2009

Pennsylvania Department of Environmental Protection
2 Public Square
Wilkes-Barre, Pennsylvania 18711-0790
CERTIFIED MAIL: 7009-1410-0001-7025-0168
Attention: Mr. Michael O'Donnell

Re: Transmittal of Report
Results of Confirmational Sampling – Diesel Spill Area
Gesford # 3 Wellsite, Dimock Township
Susquehanna County, Pennsylvania

Dear Mr. O'Donnell:

URS Corporation (URS) is pleased to present the attached report entitled "Results of Confirmational Sampling – Diesel Spill Area, Gesford #3 Wellsite, Dimock Township Susquehanna County, Pennsylvania," on behalf of GasSearch Drilling Services Corporation (GDS) and Cabot Oil & Gas Corporation (Cabot). Cabot is the permit holder for the wellsite; however, GDS was the operator when the release occurred and was responsible for subsequent Site remediation.

This work was conducted to confirm the cleanup of a diesel spill that occurred on Friday January 30, 2009 that is the subject of the Notice of Violation (NOV) issued to Cabot dated February 9, 2009 signed by you.

The report details the response action conducted by GDS and Cabot and documents that, after remedial actions were conducted to mitigate impacts to the Site, diesel constituents were not detected above their respective Statewide Health Standard Used Aquifer Residential, Soil-to-Groundwater pathway Medium Specific Concentration in the eight confirmational samples collected and analyzed for this event.

If you have any additional questions or comments, do not hesitate to contact me at 412-503-4602 or James_Pinta@URSCorp.com.

Yours Truly,

URS CORPORATION

James Pinta, Jr., Ph.D., PG
Principal Geologist
PA PG# PG000701G

Attachment: Report

URS

Privileged and Confidential
Via Electronic Mail

August 28, 2009

GasSearch Drilling Services Corporation
466 Airport Industrial Park Road
Parkersburg, WV 26104

Attention: Mr. Denny Harton

Re: Results of Confirmational Sampling – Diesel Spill Area
Gesford # 3 Wellsite, Dimock Township
Susquehanna County, Pennsylvania

Dear Mr. Harton:

URS Corporation (URS) is pleased to present GasSearch Drilling Services Corporation (GDS) with the results of confirmational sampling to document conditions at the location of a diesel spill from a rented, mobile generator used by GDS while drilling at the Gesford # 3 Well location (**Figure 1**) located in Dimock, Township, Susquehanna County, Pennsylvania.

Background

The Gesford #3 Well is located in Dimock Township, Susquehanna County, Pennsylvania on land leased by Cabot to explore for and produce gas (**Figure 1**). The land is leased from Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

The Gesford #3 Wellsite was constructed according to an approved Erosion and Sedimentation Control Plan dated November 26, 2007. The Wellsite was constructed on a moderately south sloping hillside partially in the southern portion of an open hayfield, and partially in land previously covered with brush and woods. The wellsite drains to Burdick Creek that flows to Meshoppen Creek which is designated as a Cold Water Fishery (CWF).

URS Corporation
501 Holiday Drive, Suite 300
Foster Plaza 4, Suite 300
Tel: 412-503-4700
Fax: 412-503-4704

The Wellsite (about 200 feet across by 250 feet wide) was graded to slope gently to the west, covered with a geotextile, and then covered with about one foot of riprap to provide a working surface to construct the Gesford #3 Well.

On Friday January 30, 2009 at about 5:00 AM, a fitting failed on the fuel supply line that extended from the end of the Doghouse (worker trailer) diesel fuel tank to a rented, portable generator, releasing diesel to the surface of the drill pad. The release lasted for a period of about 10 minutes and site personnel estimated that about 75 gallons of diesel fuel was released to the surface of the drill pad that was covered in snow and ice at the time.

The diesel fuel impacted an area about 10' x 10' behind the Doghouse and about 5' x 20' at the side of the Doghouse (**Figure 2**). The extent of impact was limited due primarily to the short duration of the release (time between the failure of the fitting and subsequent control of the release) and the fact that the ground was frozen and covered with snow and ice. Therefore, the diesel had no opportunity to impact the subsurface.

Oil soaks were put down immediately after the spill was detected to soak up as much diesel fuel as possible. GDS then removed all visually impacted snow and ice plus an additional 1/2 inch of surface material from the top of the drill pad via backhoe. The impacted material was placed in a dumpster and subsequently disposed by Diaz Disposal, LLC at the Keystone Sanitary Landfill. Disposal documentation is presented in **Appendix A**.

Field Activities Performed by URS

URS mobilized to the site on May 12, 2009. James Pinta, Jr. conducted the site inspection and sampling activities. The purpose of the sampling was to evaluate subsurface conditions and conduct confirmational sampling to document subsurface conditions and evaluate for potential migration pathways.

Eight test pits were excavated to a depth of about 3 feet below ground surface (bgs) to evaluate subsurface conditions and to allow sampling at the 0.5 – 1 foot ft. bgs interval in the area of the spill (**Figure 2**). Material encountered was a mixture of rip rap and finer grained material (**Appendix B** – Site Photographs). Perched groundwater was observed in test pits # 1, 2, 5, 6, and 7 and no sheen was observed at any of these locations.

URS used Terracore (MeOH/SBS) kits supplied by Pace Analytical Services, Inc. (Pace) in Greensburg, PA (a NELAC accredited laboratory) to recover a sample from each pit (8 samples total) of the fine material at the 0.5 – 1 ft. bgs level. Sampling was conducted to evaluate for potential migration of diesel below the material that had been removed in the initial remediation effort – the fine-grained material would be the material most likely to absorb diesel, if present. All eight samples were analyzed for the Pennsylvania Short List for diesel products as updated on March 18, 2008 (constituents of potential concern [COPCs]).

Analytical Results and Conclusions

Analytical results for the eight samples collected in the area potentially impacted by the diesel

Privileged and Confidential
Via Electronic Mail

spill are summarized in **Table 1** and analytical data are provided in **Attachment C. Table 1** also indicates the Pennsylvania Cleanup Standards for soil. Soil cleanup standards are based on Act 2 requirements for Statewide Health Standard (SHS), residential, used aquifer Medium-Specific Standards (MSCs) via the soil to groundwater pathway (25 PA Code Chapter 250).

The analytical results document that remediation efforts at the Gesford #3 Wellsite have been successful in removing impacts caused by the diesel spill and no additional investigation nor remediation is required to meet the Statewide Health Standards established under Act 2.

URS appreciates the opportunity to work with GDS on this project. If there are any questions or comments regarding this status report or recommendations, please call.

Yours Truly,

URS CORPORATION

James Pinta, Jr., Ph.D., PG
PA Licensed Professional Geologist
PA PG# PG000701G

John J. Smelko
Vice President
Branch Manager, URS – Scott Depot Office

Attachments: Figures 1 and 2; Table 1; and Attachments A, B, and C.

Tables

Table 1

Analytical Results for Soil Samples
Diesel Spill Cleanup
PA Diesel Short List - 8260
May 12, 2009

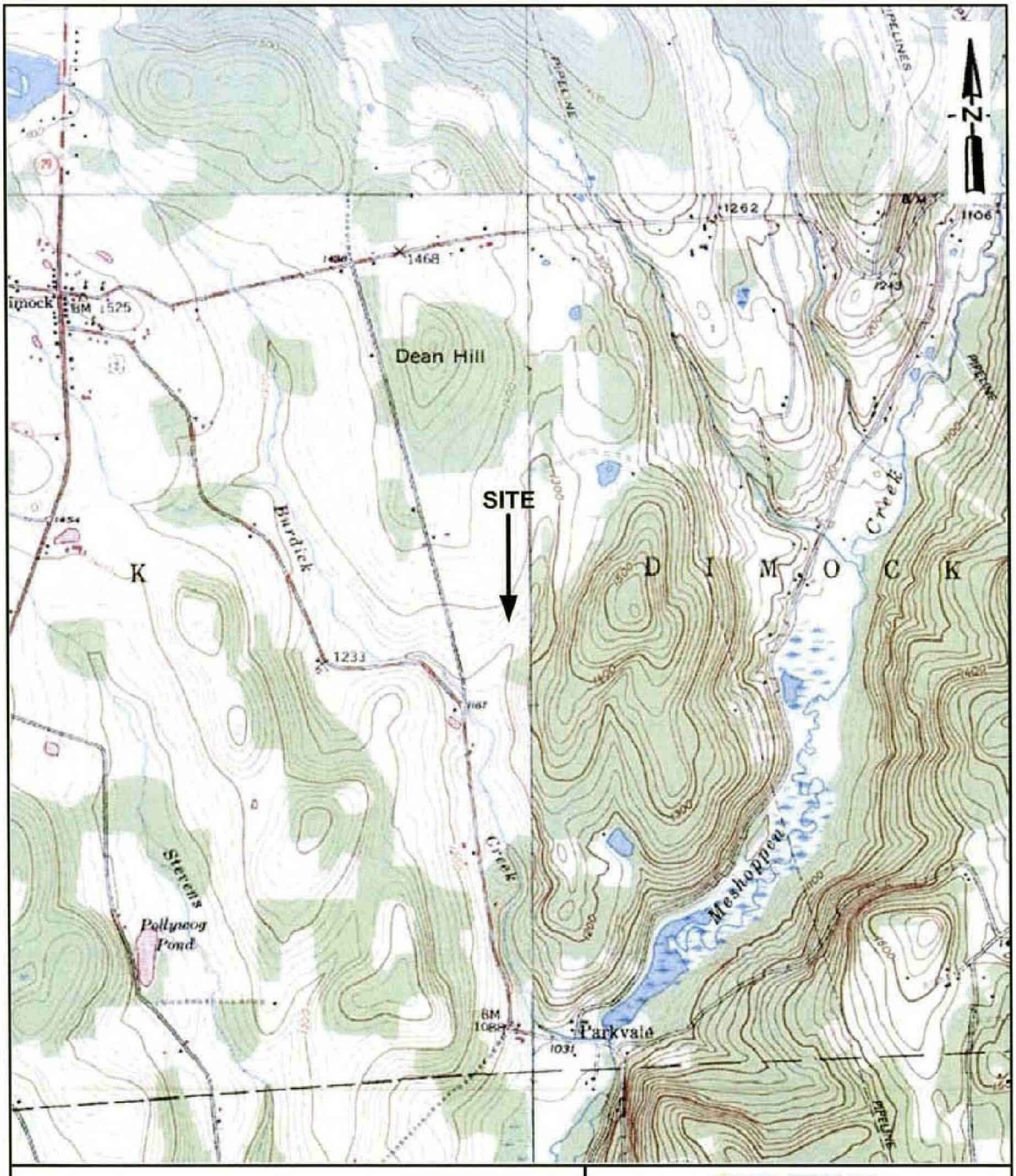
Gesford #3 Wellsite
Dimock Township
Susquehanna County, PA

		Soil Samples (results in mg/kg)							
Sample ID	*PID Reading (PPM)*	Benzene	Isopropylbenzene (Cumene)	Ethylbenzene	Methyl tert-Butyl Ether	Naphthalene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
Soil MSCs[2] (mg/kg)		***0.5***	***780***	***70***	***2***	***25***	***100***	***9***	***2.8***
GES#3-1		ND<0.0039	ND<0.0039	ND<0.0039	ND<0.0039	ND<0.0039	ND<0.0039	0.0075	ND<0.0039
GES#3-2		ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052	ND<0.0052
GES#3-3		ND<0.0046	ND<0.0046	ND<0.0046	ND<0.0046	ND<0.0046	ND<0.0046	ND<0.0046	ND<0.0046
GES#3-4		ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057	ND<0.0057
GES#3-5		ND<0.0038	ND<0.0038	ND<0.0038	ND<0.0038	ND<0.0038	ND<0.0038	ND<0.0038	ND<0.0038
GES#3-6		ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
GES#3-7		ND<0.0043	ND<0.0043	ND<0.0043	ND<0.0043	ND<0.0043	ND<0.0043	ND<0.0043	ND<0.0043
GES#3-8		ND<0.0058	ND<0.0058	ND<0.0058	ND<0.0058	ND<0.0058	ND<0.0058	ND<0.0058	ND<0.0058

Notes:
1 = ND<0.050 - Parameter was not detected above the reporting limit specified.

2 = Medium Specific Concentrations (MSCs) were established from the Residential, Used Aquifer (with TDS <2,500) MSCs, Soil to Groundwater Numeric Values listed in Appendix A, Table 1 of 25 PA Code Section 250, Administration of the Land Recycling Act (Act 2) regulations.

Figures



0 2000 4000

APPROXIMATE SCALE IN FEET

BASE MAP SOURCE: USGS 7.5 minute series topographic quadrangle map Montrose West, Pennsylvania (1994), Montrose East, Pennsylvania (1992), Springville, Pennsylvania (1946, photorevised 1969), and Hop Bottom, Pennsylvania (1994).

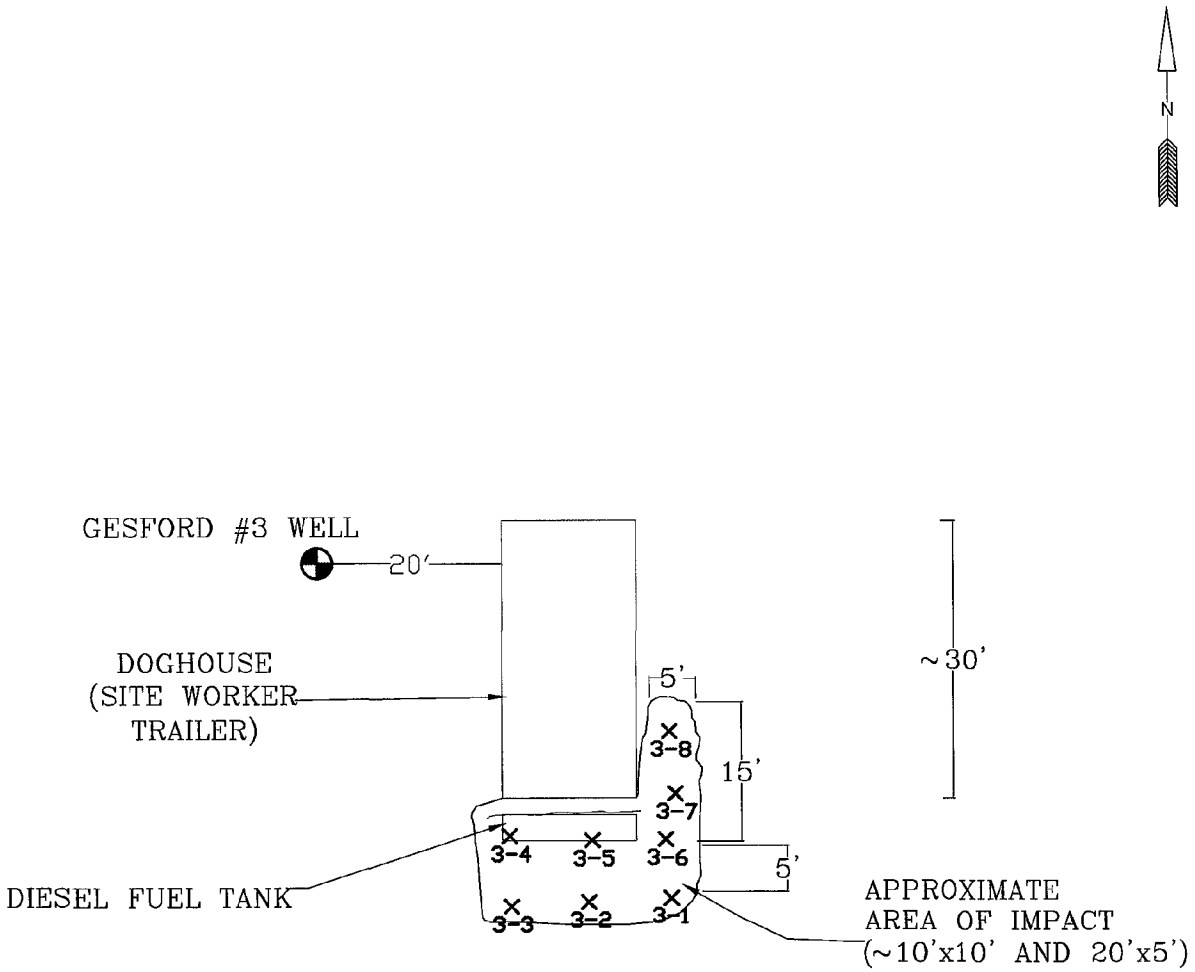
GDS
GasSearch Drilling Services Corporation

FIGURE 1
SITE VICINITY MAP
GESFORD #3 DIESEL SPILL
SUSQUEHANNA COUNTY PENNSYLVANIA

URS

CABOT-EPA 005574

DIM0197145 DIM0197153



APPROXIMATE HORIZONTAL SCALE

0 20 40 FEET

LEGEND

3-3 SOIL SAMPLES COLLECTED 6"-1' bgs (GES#3-1 THROUGH GES#3-8)

GESFORD #3 DIESEL SPILL

SUSQUEHANNA COUNTY, PENNSYLANIA

SAMPLING LOCATIONS GESFORD #3 DIESEL SPILL

URS
FOSTER PLAZA 4
501 HOLIDAY DRIVE
SUITE 300
PITTSBURGH, PA 15220
PHONE: (412) 503-4700 FAX: (412) 503-4701

FIGURE 2

DRAWN	CHECKED	APPROVED	DATE
SLA			5/26/2009

Attachment A

DIAZ DISPOSAL, LLC

7822 N Weston Rd.
KINGSLEY, PA 18826

Contact information: Adam Diaz, President
PHONE: (570) 289-8760
FAX: 570-289-9958

FAX COVER SHEET

TO: Janet Dodge FROM: Kathy

COMPANY: _____ PAGES, INCLUDING COVER: _____

FAX: 570-278-7114 DATE: 2-23-09

Janet:

Per our conversation, attached is the ticket for the contaminated soil delivered to Keystone Landfill on 2-12-09 from Gesford #3.

I spoke with Leslie at the landfill, 570-343-5782, and she advised me that no manifests are issued for anything less than 25 ton, therefore all I have is the ticket for the delivery.

Thank you, Big 9 spill cleanup

Kathy

Keystone Sanitary Landfill
249 Dunham Dr.
Dunmore PA
18512

TICKET #00437886
STATION 1 SCALE 6
DATE 02/12/09
TIME 10:26:28

CUSTOMER 5858 / Acct
Diaz Disposal L.L.C.
7822 N Weston Rd
Kingsley, PA 18826

VEHICLE CODE DIAZ

TIME IN 09:53:18 TIME OUT 10:26:28

GRID 5767

	lb
GROSS	29360
TARE	17100
NET	12260
NET TONS	6.13
PRICE	$61.40/TON
REFUSE CHARGE	$376.38

SOURCE 58 Susquehanna

REFUSE 13 Res./Contam. Soil

SOURCE CHARGE	$0.00
0.00% SALES TAX	$0.00
TOTAL CHARGE	$376.38

WEIGHMASTER: Chris C.
DRIVER _____
LICENSE: 068739/068183
Gas Search Drilling

Ges Ford #3

Rig #9. spill cleanup.

Diaz Disposal, LLC
Disposed of at Keystone Landfill 2/12/09

Attachment B

URS

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
GDS GasSearch Drilling Services Corporation	Susquehanna County, Pennsylvania	39938633

Photo No.	Date:
1	5/12/09

Direction Photo Taken:

North

Description:

Gesford # 3 Wellsite – Sampling location GES#3-1

Photo No.	Date:
2	5/12/09

Direction Photo Taken:

North

Description:

Gesford # 3 Wellsite – Sampling location GES#3-2

URS

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
GDS GasSearch Drilling Services Corporation	Susquehanna County, Pennsylvania	39938633

Photo No.	Date:
3	5/12/09

Direction Photo Taken:

North

Description:

Gesford # 3 Wellsite – Sampling location GES#3-3

Photo No.	Date:
4	5/12/09

Direction Photo Taken:

North

Description:

Gesford # 3 Wellsite – Sampling location GES#3-4

URS

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
GDS GasSearch Drilling Services Corporation	Susquehanna County, Pennsylvania	39938633

Photo No.	Date:
5	5/12/09

Direction Photo Taken:

North

Description:

Gesford # 3 Wellsite – Sampling location GES#3-5

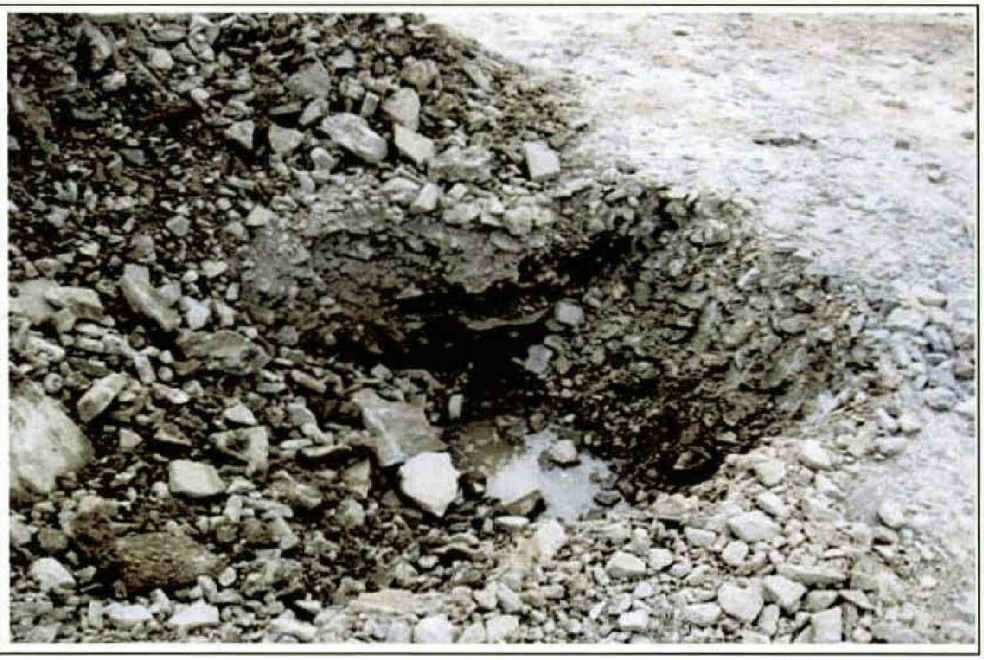
Photo No.	Date:
6	5/12/09

Direction Photo Taken:

North

Description:

Gesford # 3 Wellsite – Sampling location GES#3-6.



URS

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
GDS GasSearch Drilling Services Corporation	Susquehanna County, Pennsylvania	39938633

Photo No.	Date:
7	5/12/09

Direction Photo Taken:

Northt

Description:

Gesford # 3 Wellsite – Sampling location GES#3-7

Photo No.	Date:
8	5/12/09

Direction Photo Taken:

North

Description:

Gesford # 3 Wellsite – Sampling location GES#3-8

Attachment C

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 26, 2009

Mr. Jim Pinta
URS Corporation
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

RE: Project: GESFORD #3
Pace Project No.: 309919

Dear Mr. Pinta:
Enclosed are the analytical results for sample(s) received by the laboratory on May 13, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raelyn Sylvester

raelyn.sylvester@pacelabs.com
Project Manager

Enclosures

cc: Mr. John Smelko, URS Corporation

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: GESFORD #3
Pace Project No.: 309919

Pennsylvania Certification IDs

Wyoming Certification #: 8TMS-Q
Wisconsin/PADEP Certification
West Virginia Certification #: 143
Washington Certification #: C1941
Virginia Certification #: 00112
Virgin Island/PADEP Certification
Utah/NELAC Certification #: ANTE
Texas/NELAC Certification #: T104704188-09 TX
Tennessee Certification #: TN2867
South Dakota Certification
Puerto Rico Certification #: PA01457
Pennsylvania/NELAC Certification #: 65-282
Oregon/NELAC Certification #: PA200002
North Carolina Certification #: 42706
New York/NELAC Certification #: 10888
New Mexico Certification
New Jersey/NELAC Certification #: PA 051
New Hampshire/NELAC Certification #: 2976
Nevada Certification
Montana Certification #: Cert 0082
Missouri Certification #: 235
Minnesota Certification #: 042-999-425
Michigan/PADEP Certification
Massachusetts Certification #: M-PA1457
Maryland Certification #: 308
Maine Certification #: PA0091
Louisiana/NELAC Certification #: LA080002
Louisiana/NELAC Certification #: 4086
Kentucky Certification #: 90133
Kansas/NELAC Certification #: E-10358
Iowa Certification #: 391
Indiana/PADEP Certification
Illinois/PADEP Certification
Idaho Certification
Hawaii/PADEP Certification
Guam/PADEP Certification
Georgia Certification #: 968
Florida/NELAC Certification #: E87683
Delaware Certification
Connecticut Certification #: PH 0694
Colorado Certification
California/NELAC Certification #: 04222CA
Arkansas Certification
Arizona Certification #: AZ0734
Alabama Certification #: 41590

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: GESFORD #3
Pace Project No.: 309919

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
309919001	GES#3-1	ASTM D2974-87	DSC	1	PASI-PA
		EPA 8260	JEW	11	PASI-PA
309919002	GES#3-2	ASTM D2974-87	DSC	1	PASI-PA
		EPA 8260	JEW	11	PASI-PA
309919003	GES#3-3	ASTM D2974-87	DSC	1	PASI-PA
		EPA 8260	JEW	11	PASI-PA
309919004	GES#3-4	ASTM D2974-87	DSC	1	PASI-PA
		EPA 8260	JEW	11	PASI-PA
309919005	GES#3-5	ASTM D2974-87	DSC	1	PASI-PA
		EPA 8260	JEW	11	PASI-PA
309919006	GES#3-6	ASTM D2974-87	DSC	1	PASI-PA
		EPA 8260	JEW	11	PASI-PA
309919007	GES#3-7	ASTM D2974-87	DSC	1	PASI-PA
		EPA 8260	JEW	11	PASI-PA
309919008	GES#3-8	ASTM D2974-87	DSC	1	PASI-PA
		EPA 8260	JEW	11	PASI-PA

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: GESFORD #3
Pace Project No.: 309919

Sample: GES#3-1 **Lab ID: 309919001** Collected: 05/12/09 16:00 Received: 05/13/09 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	3.9	1		05/15/09 22:13	71-43-2	
Ethylbenzene	ND	ug/kg	3.9	1		05/15/09 22:13	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1		05/15/09 22:13	98-82-8	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1		05/15/09 22:13	1634-04-4	
Naphthalene	ND	ug/kg	3.9	1		05/15/09 22:13	91-20-3	
Toluene	ND	ug/kg	3.9	1		05/15/09 22:13	108-88-3	
1,2,4-Trimethylbenzene	**7.5**	ug/kg	3.9	1		05/15/09 22:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.9	1		05/15/09 22:13	108-67-8	
Toluene-d8 (S)	99	%	70-130	1		05/15/09 22:13	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130	1		05/15/09 22:13	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		05/15/09 22:13	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**9.0**	%	0.10	1		05/18/09 12:49		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: GESFORD #3
Pace Project No.: 309919

Sample: GES#3-2 **Lab ID: 309919002** Collected: 05/12/09 16:05 Received: 05/13/09 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	5.2	1		05/15/09 22:26	71-43-2	
Ethylbenzene	ND	ug/kg	5.2	1		05/15/09 22:26	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1		05/15/09 22:26	98-82-8	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1		05/15/09 22:26	1634-04-4	
Naphthalene	ND	ug/kg	5.2	1		05/15/09 22:26	91-20-3	
Toluene	ND	ug/kg	5.2	1		05/15/09 22:26	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1		05/15/09 22:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1		05/15/09 22:26	108-67-8	
Toluene-d8 (S)	94	%	70-130	1		05/15/09 22:26	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130	1		05/15/09 22:26	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		05/15/09 22:26	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**10.1**	%	0.10	1		05/18/09 12:49		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: GESFORD #3
Pace Project No.: 309919

Sample: GES#3-3 **Lab ID: 309919003** Collected: 05/12/09 16:08 Received: 05/13/09 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	4.6	1		05/15/09 22:40	71-43-2	
Ethylbenzene	ND	ug/kg	4.6	1		05/15/09 22:40	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		05/15/09 22:40	98-82-8	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		05/15/09 22:40	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		05/15/09 22:40	91-20-3	
Toluene	ND	ug/kg	4.6	1		05/15/09 22:40	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		05/15/09 22:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		05/15/09 22:40	108-67-8	
Toluene-d8 (S)	98	%	70-130	1		05/15/09 22:40	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130	1		05/15/09 22:40	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		05/15/09 22:40	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**9.1**	%	0.10	1		05/18/09 12:50		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: GESFORD #3
Pace Project No.: 309919

Sample: GES#3-4 **Lab ID: 309919004** Collected: 05/12/09 16:10 Received: 05/13/09 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	5.7	1		05/15/09 22:54	71-43-2	
Ethylbenzene	ND	ug/kg	5.7	1		05/15/09 22:54	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	1		05/15/09 22:54	98-82-8	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1		05/15/09 22:54	1634-04-4	
Naphthalene	ND	ug/kg	5.7	1		05/15/09 22:54	91-20-3	
Toluene	ND	ug/kg	5.7	1		05/15/09 22:54	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	5.7	1		05/15/09 22:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	1		05/15/09 22:54	108-67-8	
Toluene-d8 (S)	95	%	70-130	1		05/15/09 22:54	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130	1		05/15/09 22:54	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		05/15/09 22:54	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**5.8**	%	0.10	1		05/18/09 12:50		

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: GESFORD #3
Pace Project No.: 309919

Sample: GES#3-5 **Lab ID: 309919005** Collected: 05/12/09 16:15 Received: 05/13/09 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	3.8	1		05/15/09 23:08	71-43-2	
Ethylbenzene	ND	ug/kg	3.8	1		05/15/09 23:08	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1		05/15/09 23:08	98-82-8	
Methyl-tert-butyl ether	ND	ug/kg	3.8	1		05/15/09 23:08	1634-04-4	
Naphthalene	ND	ug/kg	3.8	1		05/15/09 23:08	91-20-3	
Toluene	ND	ug/kg	3.8	1		05/15/09 23:08	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1		05/15/09 23:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1		05/15/09 23:08	108-67-8	
Toluene-d8 (S)	96	%	70-130	1		05/15/09 23:08	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130	1		05/15/09 23:08	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		05/15/09 23:08	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**6.5**	%	0.10	1		05/18/09 12:50		

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: GESFORD #3
Pace Project No.: 309919

Sample: GES#3-6 **Lab ID: 309919006** Collected: 05/12/09 16:20 Received: 05/13/09 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	5.0	1		05/15/09 23:21	71-43-2	
Ethylbenzene	ND	ug/kg	5.0	1		05/15/09 23:21	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		05/15/09 23:21	98-82-8	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		05/15/09 23:21	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1		05/15/09 23:21	91-20-3	
Toluene	ND	ug/kg	5.0	1		05/15/09 23:21	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		05/15/09 23:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		05/15/09 23:21	108-67-8	
Toluene-d8 (S)	95	%	70-130	1		05/15/09 23:21	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130	1		05/15/09 23:21	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		05/15/09 23:21	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**6.3**	%	0.10	1		05/18/09 12:51		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: GESFORD #3
Pace Project No.: 309919

Sample: GES#3-7 **Lab ID: 309919007** Collected: 05/12/09 16:25 Received: 05/13/09 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	4.3	1		05/15/09 23:35	71-43-2	
Ethylbenzene	ND	ug/kg	4.3	1		05/15/09 23:35	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		05/15/09 23:35	98-82-8	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		05/15/09 23:35	1634-04-4	
Naphthalene	ND	ug/kg	4.3	1		05/15/09 23:35	91-20-3	
Toluene	ND	ug/kg	4.3	1		05/15/09 23:35	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1		05/15/09 23:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1		05/15/09 23:35	108-67-8	
Toluene-d8 (S)	95	%	70-130	1		05/15/09 23:35	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130	1		05/15/09 23:35	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		05/15/09 23:35	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**6.1**	%	0.10	1		05/18/09 12:51		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: GESFORD #3
Pace Project No.: 309919

Sample: GES#3-8 **Lab ID: 309919008** Collected: 05/12/09 16:30 Received: 05/13/09 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260							
Benzene	ND	ug/kg	5.8	1		05/15/09 23:49	71-43-2	
Ethylbenzene	ND	ug/kg	5.8	1		05/15/09 23:49	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	1		05/15/09 23:49	98-82-8	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1		05/15/09 23:49	1634-04-4	
Naphthalene	ND	ug/kg	5.8	1		05/15/09 23:49	91-20-3	
Toluene	ND	ug/kg	5.8	1		05/15/09 23:49	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	1		05/15/09 23:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	1		05/15/09 23:49	108-67-8	
Toluene-d8 (S)	94	%	70-130	1		05/15/09 23:49	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130	1		05/15/09 23:49	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130	1		05/15/09 23:49	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**7.5**	%	0.10	1		05/18/09 12:51		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: GESFORD #3
Pace Project No.: 309919

QC Batch: MSV/2513 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-SOIL
Associated Lab Samples: 309919001, 309919003, 309919005, 309919007

METHOD BLANK: 56730 Matrix: Solid
Associated Lab Samples: 309919001, 309919003, 309919005, 309919007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/15/09 15:48	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/15/09 15:48	
Benzene	ug/kg	ND	5.0	05/15/09 15:48	
Ethylbenzene	ug/kg	ND	5.0	05/15/09 15:48	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/15/09 15:48	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/15/09 15:48	
Naphthalene	ug/kg	ND	5.0	05/15/09 15:48	
Toluene	ug/kg	ND	5.0	05/15/09 15:48	
1,2-Dichloroethane-d4 (S)	%	102	70-130	05/15/09 15:48	
4-Bromofluorobenzene (S)	%	105	70-130	05/15/09 15:48	
Toluene-d8 (S)	%	99	70-130	05/15/09 15:48	

LABORATORY CONTROL SAMPLE: 56731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	20	20.1	100	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	20.1	100	70-130	
Benzene	ug/kg	20	19.4	97	70-130	
Ethylbenzene	ug/kg	20	18.4	92	70-130	
Isopropylbenzene (Cumene)	ug/kg	20	21.5	108	70-130	
Methyl-tert-butyl ether	ug/kg	20	17.8	89	70-130	
Naphthalene	ug/kg	20	19.3	96	70-130	
Toluene	ug/kg	20	17.9	89	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			90	70-130	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: GESFORD #3
Pace Project No.: 309919

QC Batch: MSV/2514 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-SOIL
Associated Lab Samples: 309919002, 309919004, 309919006, 309919008

METHOD BLANK: 56767 Matrix: Solid
Associated Lab Samples: 309919002, 309919004, 309919006, 309919008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/15/09 17:52	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/15/09 17:52	
Benzene	ug/kg	ND	5.0	05/15/09 17:52	
Ethylbenzene	ug/kg	ND	5.0	05/15/09 17:52	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/15/09 17:52	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/15/09 17:52	
Naphthalene	ug/kg	ND	5.0	05/15/09 17:52	
Toluene	ug/kg	ND	5.0	05/15/09 17:52	
1,2-Dichloroethane-d4 (S)	%	108	70-130	05/15/09 17:52	
4-Bromofluorobenzene (S)	%	108	70-130	05/15/09 17:52	
Toluene-d8 (S)	%	93	70-130	05/15/09 17:52	

LABORATORY CONTROL SAMPLE: 56768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	20	20.6	103	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	21.2	106	70-130	
Benzene	ug/kg	20	19.4	97	70-130	
Ethylbenzene	ug/kg	20	21.3	106	70-130	
Isopropylbenzene (Cumene)	ug/kg	20	23.0	115	70-130	
Methyl-tert-butyl ether	ug/kg	20	17.5	87	70-130	
Naphthalene	ug/kg	20	19.4	97	70-130	
Toluene	ug/kg	20	21.0	105	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: GESFORD #3
Pace Project No.: 309919

QC Batch: PMST/1273 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 309919001, 309919002, 309919003, 309919004, 309919005, 309919006, 309919007, 309919008

SAMPLE DUPLICATE: 56816

Parameter	Units	309931001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	6.7	6.9	2	

SAMPLE DUPLICATE: 56817

Parameter	Units	309931002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	9.4	9.6	3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: GESFORD #3
Pace Project No.: 309919

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GESFORD #3
Pace Project No.: 309919

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
309919001	GES#3-1	EPA 8260	MSV/2513		
309919003	GES#3-3	EPA 8260	MSV/2513		
309919005	GES#3-5	EPA 8260	MSV/2513		
309919007	GES#3-7	EPA 8260	MSV/2513		
309919002	GES#3-2	EPA 8260	MSV/2514		
309919004	GES#3-4	EPA 8260	MSV/2514		
309919006	GES#3-6	EPA 8260	MSV/2514		
309919008	GES#3-8	EPA 8260	MSV/2514		
309919001	GES#3-1	ASTM D2974-87	PMST/1273		
309919002	GES#3-2	ASTM D2974-87	PMST/1273		
309919003	GES#3-3	ASTM D2974-87	PMST/1273		
309919004	GES#3-4	ASTM D2974-87	PMST/1273		
309919005	GES#3-5	ASTM D2974-87	PMST/1273		
309919006	GES#3-6	ASTM D2974-87	PMST/1273		
309919007	GES#3-7	ASTM D2974-87	PMST/1273		
309919008	GES#3-8	ASTM D2974-87	PMST/1273		

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of 1298259

Section A Required Client Information

Company: URS CORP
Address:
Email To: JAMES_PINTA@URSCORP.COM
Phone: 412-503-4602 Fax:
Requested Due Date/TAT:

Section B Required Project Information

Report To: JAMES PINTA JR
Copy To: JOHN SMECKO
Purchase Order No.: CCAP
Project Name: GESFORD #3
Project Number:

Section C Invoice Information

Attention: JOHN SMECKO
Company Name: URS CORP
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	PA SHORT LIST DIESEL	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	GES #3 - 1	SL		5/12		4:00PM													X			001
2	GES #3 - 2					4:05PM													X			002
3	GES #3 - 3					4:08PM													X			003
4	GES #3 - 4					4:10PM													X			004
5	GES #3 - 5					4:15PM													X			005
6	GES #3 - 6					4:20PM													X			006
7	GES #3 - 7					4:26PM													X			007
8	GES #3 - 8					4:30PM													X			008
9																						
10																						
11																						
12																						

309919

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		5/13/09	1:00PM		5-13-09	1:00	
		5-13	3:15	C Urbanczyk/Pace	5/13/09	3:15	5.7 Y N Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Pinta JR
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5/12/09

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
5.7	Y	N	Y

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

CABOT-EPA 005601

DIM0197145

DIM0197180

Sample Condition Upon Receipt

Pace Analytical

Client Name: URS Project # 309919

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ (Pace) Other _____

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☐ (no) Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other foam

Thermometer Used (3) 4 Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 5.7 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: CAW 5-13

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	(Yes) No N/A	1.
Chain of Custody Filled Out:	(Yes) No N/A	2.
Chain of Custody Relinquished:	(Yes) No N/A	3.
Sampler Name & Signature on COC:	(Yes) No N/A	4.
Samples Arrived within Hold Time:	(Yes) No N/A	5.
Short Hold Time Analysis (<72hr):	Yes (No) N/A	6.
Rush Turn Around Time Requested:	Yes (No) N/A	7.
Sufficient Volume:	(Yes) No N/A	8.
Correct Containers Used:	(Yes) No N/A	9.
-Pace Containers Used:	(Yes) No N/A	
Containers Intact:	(Yes) No N/A	10.
Filtered volume received for Dissolved tests	Yes (No) N/A	11.
Sample Labels match COC:	(Yes) No N/A	12.
-Includes date/time/ID/Analysis Matrix: SL		
All containers needing preservation have been checked.	(Yes) No N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	(Yes) No N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	(Yes) No	Initial when completed CAW / Lot # of added preservative
Samples checked for dechlorination:	Yes No (N/A)	14.
Headspace in VOA Vials (>6mm):	Yes (No) N/A	15.
Trip Blank Present:	Yes (No) N/A	16.
Trip Blank Custody Seals Present	Yes No N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

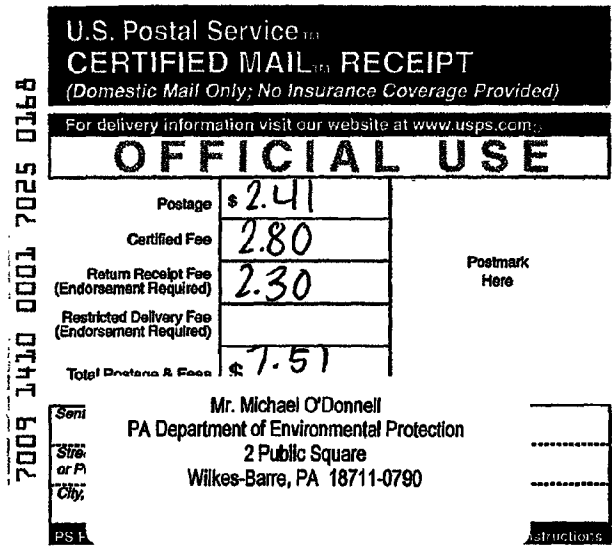
Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Raelyn Sylvester Date: 5/13/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-3, 11September2006



U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®
OFFICIAL USE

Postage	$ 2.41
Certified Fee	2.80
Return Receipt Fee (Endorsement Required)	2.30
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 7.51

Postmark Here

Sent
Street or P
City;

Mr. Michael O'Donnell
PA Department of Environmental Protection
2 Public Square
Wilkes-Barre, PA 18711-0790

PS F
Instructions

7009 1410 0001 7025 0168

CABOT-EPA 005603

DIM0197145

DIM0197182